

WHAT IS CLAIMED IS:

5

1. A facsimile apparatus that is connected to a network and has an ITU-T recommendation T.37 full-mode function for facsimile transmission of an image file processed by an image processor using parameters corresponding to a transmission mode, at least with a delivery confirmation request being attached to the image file, the facsimile transmission being carried out via the network,

the facsimile apparatus comprising:

15 a destination information memory that stores one of reception capacity information of a selected transmission destination and reception capacity information of the selected transmission destination contained in delivery confirmation mail sent from the selected transmission destination, the reception capacity information being associated with the mail address of the selected transmission destination;

20 a transmission mode memory that stores the transmission mode used for the facsimile transmission accompanied by the delivery confirmation request; and  
25

a controller that causes the transmission mode memory to store the transmission mode used for the facsimile transmission accompanied by the delivery confirmation request, causes the destination information memory to store reception capacity information contained in the delivery confirmation mail sent from the selected transmission destination, the reception capacity information being stored as the reception capacity information of the selected transmission destination, and causes the destination information memory to store the transmission mode, already stored in the transmission mode memory, as a transmission enabling mode of the selected transmission destination when the delivery confirmation mail does not contain the reception capacity information but confirms that the communication has been properly completed.

20

2. The facsimile apparatus as claimed in claim 1, wherein

the controller causes the destination information memory to store the transmission mode,

25

which has already been stored in the transmission  
mode memory, as a transmission disabling mode of the  
selected transmission destination, when the delivery  
confirmation mail sent from the selected transmission  
5 destination does not contain the reception capacity  
information but confirms that the communication  
failed.

10

3. The facsimile apparatus as claimed in  
claim 1, further comprising:

an image memory that stores image files for  
15 transmission;

wherein

when an image file that has been processed  
by the image processor using parameters different  
from default parameters is facsimile-transmitted at  
20 least together with the delivery confirmation request,  
the controller keeps the image file in the image  
memory until the delivery confirmation mail is sent  
from the selected transmission destination, and

when delivery confirmation mail is sent from  
25 the selected transmission destination reporting that

the communication failed, the image processor  
converts the image file kept in the image memory into  
an image file corresponding to the default parameters,  
and the converted image file is facsimile-transmitted  
5 again to the selected transmission destination.

10                   4. A facsimile apparatus that is connected  
to a network and has an ITU-T recommendation T.37  
full-mode function for facsimile-transmitting an  
image file processed by an image processor using  
parameters corresponding to a transmission mode, at  
15 least with a delivery confirmation request being  
attached to the image file, the facsimile  
transmission being carried out via the network,  
the facsimile apparatus comprising:  
means for storing one of reception capacity  
20 information of a selected transmission destination  
and reception capacity information of the selected  
transmission destination contained in delivery  
confirmation mail sent from the selected transmission  
destination, the reception capacity information being  
25 associated with the mail address of the selected

transmission destination;

means for storing the transmission mode used for the facsimile transmission accompanied by the delivery confirmation request; and

- 5 means for controlling the transmission mode storing means to store the transmission mode used for the facsimile transmission accompanied by the delivery confirmation request, controlling the destination information storing means to store
- 10 reception capacity information contained in the delivery confirmation mail sent from the selected transmission destination, the reception capacity information being stored as the reception capacity information of the selected transmission destination,
- 15 and controlling the destination information storing means to store the transmission mode, already stored in the transmission mode storing means, as a transmission enabling mode of the selected transmission destination when the delivery
- 20 confirmation mail does not contain the reception capacity information but confirms that the communication has been properly completed.

5. The facsimile apparatus as claimed in claim 4, wherein

the controlling means causes the destination  
5 information storing means to store the transmission  
mode, which has already been stored in the  
transmission mode storing means, as a transmission  
disabling mode of the selected transmission  
destination, when the delivery confirmation mail sent  
10 from the selected transmission destination does not  
contain the reception capacity information but  
confirms that the communication failed.

15

6. The facsimile apparatus as claimed in claim 4, further comprising:

means for storing image files for  
20 transmission;

wherein

when an image file that has been processed  
by the image processor using parameters different  
from default parameters is facsimile-transmitted at  
25 least together with the delivery confirmation request,

the controller keeps the image file in the image storing means until the delivery confirmation mail is sent from the selected transmission destination, and when delivery confirmation mail is received from the selected transmission destination reporting that the communication failed, the image processor converts the image file kept in the image storing means into an image file corresponding to the default parameters, and the converted image file is facsimile-transmitted again to the selected transmission destination.

15

7. A method of facsimile transmission using a facsimile apparatus that is connected to a network and has an ITU-T recommendation T.37 full-mode function for facsimile transmission of an image file processed by an image processor using parameters corresponding to a transmission mode, at least with a delivery confirmation request being attached to the image file, the facsimile transmission being carried out via the network,

25

the method comprising the steps of:

storing one of reception capacity  
information of a selected transmission destination  
and reception capacity information of the selected  
transmission destination contained in delivery

5 confirmation mail sent from the selected transmission  
destination, the reception capacity information being  
associated with the mail address of the selected  
transmission destination and being stored in a  
destination information memory;

10 storing the transmission mode used for the  
facsimile transmission accompanied by the delivery  
confirmation request in a transmission mode memory;

controlling the destination information  
memory to store reception capacity information that  
15 is contained in the delivery confirmation mail sent  
from the selected transmission destination, the  
reception capacity information being stored as the  
reception capacity information of the selected  
transmission destination; and

20 controlling the destination information  
memory to store the transmission mode, already stored  
in the transmission mode memory, as a transmission  
enabling mode of the selected transmission  
destination, when the delivery confirmation mail does  
25 not contain the reception capacity information but



confirms that the communication has been properly completed.